



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com / manhattanlab@emsl.com>

EMSL Order: 031628489

Customer ID: ATEN78

Customer PO:

Project ID:

Attention: Matthew Weintraub

Atlantic Environmental Consulting, LLC

3725 Alpine Drive

Endicott, NY 13760

Phone: (607) 239-4311

Fax:

Received Date: 09/21/2016 11:03 AM

Analysis Date: 09/22/2016 - 09/24/2016

Collected Date: 09/17/2016

Project: 218 WEST HENRY STREET, ELMIRA, NY

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-301 031628489-0001		Description 2FL/ KITCHEN - GREEN VINYL FLOORING Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Green	None	79.40% Other	20.60% Chrysotile
TEM NYS 198.4 NOB	09/23/2016				Positive Stop (Not Analyzed)
Sample ID 11716-302 031628489-0002		Description 2FL/ KITCHEN - GREEN VINYL FLOORING Homogeneity			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB	09/23/2016				Positive Stop (Not Analyzed)
Sample ID 11716-303 031628489-0003		Description 2FL/ BATH - WHITE VINYL FLOORING Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	White	1.20% Glass	98.80% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	White		100.00% Other	None Detected
Sample ID 11716-304 031628489-0004		Description 2FL/ BATH - WHITE VINYL FLOORING Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	White	2.10% Glass	97.90% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	White		100.00% Other	None Detected
Sample ID 11716-305 031628489-0005		Description 2FL/ FRONT - TEXTURED PAINT Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	White		100.00% Other	None Detected

Initial Report From: 09/24/2016 12:38:22



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com / manhattanlab@emsl.com>

EMSL Order: 031628489

Customer ID: ATEN78

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-306 031628489-0006		Description 2FL/ FRONT - TEXTURED PAINT Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	White		100.00% Other	None Detected
Sample ID 11716-307-Skim Coat 031628489-0007		Description 2FL/ ATTIC STAIR - PLASTER Homogeneity Heterogeneous			
PLM NYS 198.1 Friable	09/22/2016	White/ Yellow		55.00% Ca Carbonate 45.00% Non-fibrous (other)	None Detected
Inseparable paint / coating layer included in analysis					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-307-Rough Coat 031628489-0007A		Description 2FL/ ATTIC STAIR - PLASTER Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/22/2016	Brown	18.00% Hair	42.00% Non-fibrous (other) 40.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-308 031628489-0008		Description 2FL/ ATTIC STAIR - PLASTER Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/22/2016	Brown	10.00% Hair	37.00% Non-fibrous (other) 53.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-309-Skim Coat 031628489-0009		Description 1FL/ LR - PLASTER Homogeneity Heterogeneous			
PLM NYS 198.1 Friable	09/22/2016	Brown/ White	20.00% Cellulose	40.00% Ca Carbonate 40.00% Non-fibrous (other)	None Detected
Inseparable paint / coating layer included in analysis					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-309-Rough Coat 031628489-0009A		Description 1FL/ LR - PLASTER Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/22/2016	Brown	6.00% Hair	39.00% Non-fibrous (other) 55.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial Report From: 09/24/2016 12:38:22



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / manhattanlab@emsl.com

EMSL Order: 031628489

Customer ID: ATEN78

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos			Asbestos
			Fibrous	Non-Fibrous		
Sample ID 11716-310-Skim Coat 031628489-0010		Description 1FL/ LR - PLASTER Homogeneity Heterogeneous				
PLM NYS 198.1 Friable	09/22/2016	Brown/ Tan/ White	13.00% Cellulose	48.00% Ca Carbonate 39.00% Non-fibrous (other)		None Detected
Inseparable paint / coating layer included in analysis						
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB						Not Analyzed
TEM NYS 198.4 NOB						Not Analyzed
Sample ID 11716-310-Rough Coat 031628489-0010A		Description 1FL/ LR - PLASTER Homogeneity Homogeneous				
PLM NYS 198.1 Friable	09/22/2016	Brown	2.00% Cellulose 5.00% Hair	38.00% Non-fibrous (other) 55.00% Quartz		None Detected
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB						Not Analyzed
TEM NYS 198.4 NOB						Not Analyzed
Sample ID 11716-311 031628489-0011		Description 1FL/ LR - PLASTER Homogeneity Homogeneous				
PLM NYS 198.1 Friable	09/22/2016	Gray		35.00% Gypsum 50.00% Non-fibrous (other) 15.00% Quartz		None Detected
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB						Not Analyzed
TEM NYS 198.4 NOB						Not Analyzed
Sample ID 11716-312 031628489-0012		Description 1FL/ KITCHEN - GREEN VINYL FLOORING Homogeneity Heterogeneous				
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Green	None	85.40% Other		14.60% Chrysotile
TEM NYS 198.4 NOB	09/23/2016					Positive Stop (Not Analyzed)
Sample ID 11716-313 031628489-0013		Description 1FL/ KITCHEN - GREEN VINYL FLOORING Homogeneity				
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	09/23/2016					Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB	09/23/2016					Positive Stop (Not Analyzed)
Sample ID 11716-314 031628489-0014		Description 1FL/ REAR WALL - WALLPAPER Homogeneity Homogeneous				
PLM NYS 198.1 Friable	09/22/2016	Tan/ White	75.00% Cellulose	25.00% Non-fibrous (other)		None Detected
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB						Not Analyzed
TEM NYS 198.4 NOB						Not Analyzed

Initial Report From: 09/24/2016 12:38:22



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / manhattanlab@emsl.com

EMSL Order: 031628489

Customer ID: ATEN78

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID I1716-315 031628489-0015		Description 1FL/ REAR WALL - WALLPAPER			
		Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/22/2016	Tan/ White/ Blue	80.00% Cellulose	20.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID I1716-316 031628489-0016		Description 1FL/ LR - 1.5X1.5 CEILING TILE			
		Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Brown		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Brown		100.00% Other	None Detected
Sample ID I1716-317 031628489-0017		Description 1FL/ LR - 1.5X1.5 CEILING TILE			
		Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Brown/ White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Brown/ White		100.00% Other	None Detected
Sample ID I1716-318 031628489-0018		Description 1FL/ LR - 2X4 CEILING TILE (NEW)			
		Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	White	13.90% Min. Wool	86.10% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	White		100.00% Other	None Detected
Sample ID I1716-319 031628489-0019		Description 1FL/ LR - 2X4 CEILING TILE (NEW)			
		Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	White	17.10% Min. Wool	82.90% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	White		100.00% Other	None Detected
Sample ID I1716-320 031628489-0020		Description 1FL/ LR - 2X4 CEILING TILE (OLD)			
		Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan/ White	19.50% Min. Wool	80.50% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan/ White		100.00% Other	None Detected

Initial Report From: 09/24/2016 12:38:22



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / manhattanlab@emsl.com

EMSL Order: 031628489

Customer ID: ATEN78

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-321 031628489-0021		Description 1FL/ LR - 2X4 CEILING TILE (OLD)			
		Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan/ White	16.60% Min. Wool	83.40% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan/ White		100.00% Other	None Detected
Sample ID 11716-322 031628489-0022		Description 1FL/ LR - DRYWALL			
		Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/22/2016	Brown/ White	17.00% Cellulose	55.00% Gypsum 28.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-323-Joint Compound 031628489-0023		Description 1FL/ LR - JOINT COMPOUND			
		Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/22/2016	White	None	45.00% Ca Carbonate 4.00% Mica 47.46% Non-fibrous (other)	3.54% Chrysotile
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-323-Tape 031628489-0023A		Description 1FL/ LR - JOINT COMPOUND			
		Homogeneity Heterogeneous			
PLM NYS 198.1 Friable	09/22/2016	Tan/ White	88.00% Cellulose	12.00% Non-fibrous (other)	None Detected
Inseparable paint / coating layer included in analysis					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-324 031628489-0024		Description 1FL/ LR - DRYWALL			
		Homogeneity			
PLM NYS 198.1 Friable	09/22/2016				Positive Stop
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-325 031628489-0025		Description 1FL/ LR - JOINT COMPOUND			
		Homogeneity			
PLM NYS 198.1 Friable	09/22/2016				Positive Stop
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial Report From: 09/24/2016 12:38:22



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / manhattanlab@emsl.com

EMSL Order: 031628489

Customer ID: ATEN78

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID I1716-326 031628489-0026			Description BASEMENT/ WALL - PARGING Homogeneity Heterogeneous		
PLM NYS 198.1 Friable	09/22/2016	Brown/ White	5.00% Hair	22.00% Ca Carbonate 33.00% Non-fibrous (other) 40.00% Quartz	None Detected
Inseparable paint / coating layer included in analysis					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID I1716-327 031628489-0027			Description BASEMENT/ WALL - PARGING Homogeneity Homogeneous		
PLM NYS 198.1 Friable	09/22/2016	White	7.00% Hair	50.00% Ca Carbonate 43.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID I1716-328 031628489-0028			Description BASEMENT/ CHIMNEY - FLUE CEMENT Homogeneity Heterogeneous		
PLM NYS 198.1 Friable	09/22/2016	Brown/ White	1.00% Fibrous (other)	10.00% Ca Carbonate 29.00% Non-fibrous (other) 60.00% Quartz	None Detected
Inseparable paint / coating layer included in analysis					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID I1716-329 031628489-0029			Description BASEMENT/ CHIMNEY - FLUE CEMENT Homogeneity Homogeneous		
PLM NYS 198.1 Friable	09/22/2016	Gray/ White		15.00% Ca Carbonate 35.00% Non-fibrous (other) 50.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID I1716-330 031628489-0030			Description BASEMENT/ PIPES - AIR-CELL PIPE INSULATION Homogeneity Homogeneous		
PLM NYS 198.1 Friable	09/22/2016	Brown/ White	55.00% Cellulose	21.50% Non-fibrous (other)	23.50% Chrysotile
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial Report From: 09/24/2016 12:38:22



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / manhattanlab@emsl.com

EMSL Order: 031628489

Customer ID: ATEN78

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID I1716-331 031628489-0031		Description BASEMENT/ PIPES - AIR-CELL PIPE INSULATION Homogeneity			
PLM NYS 198.1 Friable	09/22/2016				Positive Stop
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID I1716-332 031628489-0032		Description EXTERIOR/ WALLS - CEMENTITIOUS (TRANSITE) SIDING Homogeneity Heterogeneous			
PLM NYS 198.1 Friable	09/22/2016	Tan/ Green Inseparable paint / coating layer included in analysis	None	71.40% Non-fibrous (other)	28.60% Chrysotile
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID I1716-333 031628489-0033		Description EXTERIOR/ WALLS - CEMENTITIOUS (TRANSITE) SIDING Homogeneity			
PLM NYS 198.1 Friable	09/22/2016				Positive Stop
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID I1716-334 031628489-0034		Description EXTERIOR/ 2FL R WINDOW - GLAZING COMPOUND Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan		100.00% Other	None Detected
Sample ID I1716-335 031628489-0035		Description EXTERIOR/ 2FL WINDOW - GLAZING COMPOUND Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Gray	<1.00% Fibrous (other)	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Gray		100.00% Other	None Detected
Sample ID I1716-336 031628489-0036		Description EXTERIOR/ 2FL WINDOW - GLAZING COMPOUND Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Gray	<1.00% Fibrous (other)	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Gray		100.00% Other	None Detected

Initial Report From: 09/24/2016 12:38:22



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / manhattanlab@emsl.com

EMSL Order: 031628489

Customer ID: ATEN78

Customer PO:

Project ID:

Test Report: Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-337 031628489-0037		Description EXTERIOR/ FOUNDATION WALL - CEMENTITIOUS PARGING Homogeneity Heterogeneous			
PLM NYS 198.1 Friable	09/22/2016	Brown/ Gray/ Tan	3.00% Cellulose	10.00% Ca Carbonate 32.00% Non-fibrous (other) 55.00% Quartz	None Detected
Inseparable paint / coating layer included in analysis					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-338 031628489-0038		Description EXTERIOR/ FOUNDATION WALL - CEMENTITIOUS PARGING Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/22/2016	Gray	6.00% Cellulose	65.00% Gypsum 29.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-339 031628489-0039		Description EXTERIOR/ WINDOWS - CAULK Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	White		100.00% Other	None Detected
Sample ID 11716-340 031628489-0040		Description EXTERIOR/ WALLS - FIBERBOARD Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/22/2016	Brown	97.00% Cellulose	3.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-341 031628489-0041		Description EXTERIOR/ WALLS - FIBERBOARD Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/22/2016	Brown	95.00% Cellulose	5.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-342 031628489-0042		Description EXTERIOR/ REAR WALLS - ASPHALTIC FELT Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected

Initial Report From: 09/24/2016 12:38:22



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com / manhattanlab@emsl.com>

EMSL Order: 031628489

Customer ID: ATEN78

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-343 031628489-0043		Description Homogeneity	EXTERIOR/ REAR WALLS - ASPHALTIC FELT Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	<1.00% Min. Wool	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-344 031628489-0044		Description Homogeneity	EXTERIOR/ REAR WING - ASPHALTIC FLASHING CEMENT AT BASE Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-345 031628489-0045		Description Homogeneity	EXTERIOR/ REAR WING - ASPHALTIC FLASHING CEMENT AT BASE Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-346 031628489-0046		Description Homogeneity	ROOF/ REAR WING - ASPHALTIC ROOFING (BOTTOM) Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	8.80% Glass	91.20% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-347 031628489-0047		Description Homogeneity	ROOF/ REAR WING - ASPHALTIC ROOFING (BOTTOM) Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	25.50% Glass	74.50% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-348 031628489-0048		Description Homogeneity	ROOF/ FRONT PORCH - BITUMINOUS ROLL ROOFING Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	22.90% Glass	77.10% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected

Initial Report From: 09/24/2016 12:38:22



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / manhattanlab@emsl.com

EMSL Order: 031628489

Customer ID: ATEN78

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-349 031628489-0049		Description	ROOF/ FRONT PORCH - BITUMINOUS ROLL ROOFING		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	19.90% Glass	80.10% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-350 031628489-0050		Description	ROOF/ R METAL ROOFS - SILVER ASPHALTIC COATING		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Brown/ Gray	3.90% Glass	91.90% Other	4.20% Chrysotile
TEM NYS 198.4 NOB	09/23/2016				Positive Stop (Not Analyzed)
Sample ID 11716-351 031628489-0051		Description	ROOF/ R METAL ROOFS - SILVER ASPHALTIC COATING		
		Homogeneity			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB	09/23/2016				Positive Stop (Not Analyzed)
Sample ID 11716-352 031628489-0052		Description	ROOF/ MAIN - ASPHALTIC SHINGLE (BOTTOM)		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	<1.00% Synthetic	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-353 031628489-0053		Description	ROOF/ MAIN - ASPHALTIC SHINGLE (BOTTOM)		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	<1.00% Synthetic	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-354 031628489-0054		Description	ROOF/ MAIN - ASPHALTIC SHINGLE (MID)		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected

Initial Report From: 09/24/2016 12:38:22



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com / manhattanlab@emsl.com>

EMSL Order: 031628489

Customer ID: ATEN78

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-355 031628489-0055		Description Homogeneity	ROOF/ MAIN - ASPHALTIC SHINGLE (MID) Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-356 031628489-0056		Description Homogeneity	ROOF/ MAIN - ASPHALTIC SHINGLE (TOP) Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	1.00% Glass	99.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-357 031628489-0057		Description Homogeneity	ROOF/ MAIN - ASPHALTIC SHINGLE (TOP) Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	11.60% Glass	88.40% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-358 031628489-0058		Description Homogeneity	ROOF/ FRONT PORCH - ASPHALTIC FLASHING CEMENT Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	14.50% Glass	85.50% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-359 031628489-0059		Description Homogeneity	ROOF/ R SIDE - ASPHALTIC FLASHING CEMENT Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	8.60% Glass	91.40% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-360 031628489-0060		Description Homogeneity	ROOF/ R SIDE - ASPHALTIC FLASHING CEMENT Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	1.10% Glass	98.90% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected

Initial Report From: 09/24/2016 12:38:22



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / manhattanlab@emsl.com

EMSL Order: 031628489

Customer ID: ATEN78

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID I1716-361 031628489-0061		Description BARN/ WALLS - CEMENTITIOUS (TRANSITE) SIDING			
		Homogeneity Heterogeneous			
PLM NYS 198.1 Friable	09/22/2016	Gray/ Green	None	81.80% Non-fibrous (other)	18.20% Chrysotile
Inseparable paint / coating layer included in analysis					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID I1716-362 031628489-0062		Description BARN/ WALLS - CEMENTITIOUS (TRANSITE) SIDING			
		Homogeneity			
PLM NYS 198.1 Friable	09/22/2016				Positive Stop
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID I1716-363 031628489-0063		Description BARN/ WALLS - ASPHALTIC FELT UNDERLAYMENT			
		Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID I1716-364 031628489-0064		Description BARN/ WALLS - ASPHALTIC FELT UNDERLAYMENT			
		Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID I1716-365 031628489-0065		Description BARN/ WINDOWS - GLAZING COMPOUND			
		Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID I1716-366 031628489-0066		Description BARN/ WINDOWS - GLAZING COMPOUND			
		Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Gray/ White	1.30% Fibrous (other)	98.70% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Gray/ White		100.00% Other	None Detected

Initial Report From: 09/24/2016 12:38:22



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com / manhattanlab@emsl.com>

EMSL Order: 031628489

Customer ID: ATEN78

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-367 031628489-0067		Description BARN/ PORCH - ASPHALTIC FELT Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-368 031628489-0068		Description BARN/ PORCH - ASPHALTIC FELT Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-369 031628489-0069		Description BARN/ PORCH - ASPHALTIC SHINGLE Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	12.80% Min. Wool	87.20% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-370 031628489-0070		Description BARN/ PORCH - ASPHALTIC SHINGLE Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	1.30% Glass	98.70% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-371 031628489-0071		Description BARN/ MAIN ROOF - ASPHALTIC SHINGLE (BOTTOM) Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-372 031628489-0072		Description BARN/ MAIN ROOF - ASPHALTIC SHINGLE (BOTTOM) Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected

Initial Report From: 09/24/2016 12:38:22



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / manhattanlab@emsl.com

EMSL Order: 031628489

Customer ID: ATEN78

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-373 031628489-0073		Description Homogeneity	BARN/ MAIN ROOF - ASPHALTIC SHINGLE (MID) Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	<1.00% Synthetic	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-374 031628489-0074		Description Homogeneity	BARN/ MAIN ROOF - ASPHALTIC SHINGLE (MID) Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	1.10% Synthetic	98.90% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-375 031628489-0075		Description Homogeneity	BARN/ MAIN ROOF - ASPHALTIC SHINGLE (TOP) Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	<1.00% Glass	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-376 031628489-0076		Description Homogeneity	BARN/ MAIN ROOF - ASPHALTIC SHINGLE (TOP) Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	<1.00% Glass	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected

Initial Report From: 09/24/2016 12:38:22



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / manhattanlab@emsl.com

EMSL Order: 031628489

Customer ID: ATEN78

Customer PO:

Project ID:

Test Report: Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date: 9/21/2016

Sample Receipt Time: 11:03 AM

Analysis Completed Date: 9/23/2016

Analysis Completed Time: 4:12 PM

Analyst(s):

Daena Charles PLM NYS 198.1 Friable (5)

Jon Williams PLM NYS 198.1 Friable (19)

Jon Williams PLM NYS 198.6 NOB (48)

Alicia Folgar TEM NYS 198.4 NOB (45)

Samples reviewed and approved by:

James Hall, Laboratory Manager
or Other Approved Signatory

NOB = Non Friable Organically Bound N/A = Not Applicable VCM = Vermiculite Containing Material

-In New York State, TEM is currently the only method that can be used to determine if NOB materials can be considered or treated as non -asbestos containing.

All samples examined for the presence of vermiculite when analyzed via NYS 198.1.

-NYS Guidelines for Vermiculite containing samples are available at http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance_Rev070913.pdf EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples were received in good condition unless otherwise noted.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. This report may contain data that is not covered by the NVLAP accreditation.

Samples analyzed by EMSL Analytical, Inc. New York, NY NYS ELAP 11506

Initial Report From: 09/24/2016 12:38:22